Lindsay Cade

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WORK EXPERIENCE

Senior Product Engineer, Contractor
Jul 2023 - present

Ethos AI (January 2024 - May 2024)
- Implemented complete authorization system for banking compliance application with Cerbos. Researched solutions, modeled roles and enforcements, updated API and UI to reflect permissions.
- Modeled and implemented a labeling system for inventory objects.
- Improved various aspects of the app in both frontend (Remix) and API (FastAPI).

Alpha Studios (October 2023 - December 2023)
- Researched technical feasibility of social media app concept
- Technical prototype and research for LLM/AI driven tool for answering natural language questions by calling public API methods.

Playbook (July 2023 - December 2023)
- Refactored in-app credit system from having monthly refreshed free credits to a one-time grant of credits on signup.
- Various application improvements and bug fixes in both Rails API and React frontend including sorting across multiple boards, drag and drop issues, sharing boards with other organizations, refactoring email notification flow.

Senior Software Engineer, Eng Manager, Percy.io (acquired by Browserstack March 2020)
October 2017 - April 2023

- Rewrote core diffing software, improving performance at scale using Python 3, OpenCV, Numpy, Tesseract, Cython. Improved time per comparison by 30% while doing more analysis than the old version. Enabled analysis improvements including vertical-shift detection, antialiasing detection, and OCR-based adjustments.
- Led development of application UI in EmberJS. Technical lead on all frontend projects, including: Support for multiple browsers, complete redesign of builds page, performance improvements to allow up to 9k snapshots, multiple viewing modes, customer and organization migration wizard, commenting system. Added and maintained comprehensive test coverage to the frontend app.
- Built key Ruby on Rails API features including new endpoints for frontend, billing tabulation, subscription management, serialization optimization, customer and organization migration wizard.
- Managed 3 reports and responsible for their mentorship, growth, performance evaluation, and job satisfaction.

Senior Software Engineer, AltSchool
Jun 2015 - September 2017

- Contributed to a diverse set of the large AltSchool student and teacher facing products. Technical lead on several projects: Student facing units, tree-based taxonomy navigator, card state refactor, rubric-based taxonomy navigator, card comment notifications. Built reusable components to Slate, our in-house reusable component library.
- Led standardization of product analytics processes by writing extensive documentation, outlining action and payload data naming conventions, and proposing a standard process to make collaboration between PM and eng smoother.
- Wrote unit, integration, and acceptance tests for Ember application using Mocha, Chai, Sinon, FactoryGuy, and Ember Mirage.
- Frequently complimented on outstanding communication skills.

SKILLS

JavaScript, React, Remix JS, EmberJS, Ruby, Rails, Python FastAPI, Numpy, Django, R, Cerbos

HTML, CSS, TailwindCSS

MySQL, PostgreSQL

Git, UNIX, Docker, Adobe Illustrator and Photoshop, JIRA

EDUCATION

Rochester Institute of Technology

May 2009

B.S. Biochemistry
B.F.A. Illustration

Software Engineer and Instructor, Hackbright Academy
May 2014 - May 2015

- Built system to store, manage, discuss, and view student information using Ruby/Rails.
- Drove UX/UI design and implementation and built internal interactive teaching tool with in-browser REPL and analytics in Ruby/Rails and ReactJS
- Taught Python full stack web development to 70+ students in an all women's engineering program.
- Constructed curriculum, lectured, and conducted after-class workshops.

Bioinformatics Software Engineer, UCSF
Nov 2013 - May 2014

- Analyzed sequenced exomes and RNASeq data using established pipeline built with Ruby and various standard published genomics tools.
- Programmed and built new components for lab's custom distributed data analysis pipeline in Ruby including a QC module, logging summaries, and integrating a new 3rd party analysis.
- Built automation around munging and analysis of biological data from various data sources in R.
- Coached staff on programming skills to improve research efficiency.